

### **Amendments to the Claims**

This listing of claims will replace all prior versions and listings of claims in the application:

### **Listing of the Claims**

1. - 67. (canceled)

68. (Previously Presented) A method of alleviating a symptom of dry eye syndrome, comprising administering to a subject suffering from or at risk of developing dry eye syndrome a composition comprising a carotenoid and a polyphenol and co-administering to said subject a composition comprising an omega-3 fatty acid, thereby alleviating a symptom of said dry eye syndrome.

69. (Previously Presented) The method of claim 68, wherein said composition further comprises a glutathione precursor.

70. (Previously Presented) The method of claim 68, wherein said composition further comprises a vitamin anti-oxidant.

71. (Previously Presented) The method of claim 68, wherein said composition further comprises an alpha lipoic acid.

72. (Previously Presented) The method of claim 68, wherein said method does not comprise beta-carotene.

73. (Previously Presented) The method of claim 68, wherein said omega-3 fatty acid is eicosapentaenoic acid or docosahexaenoic acid.

74. (Previously Presented) The method of claim 68, wherein said carotenoid is a mixed carotenoid compound, an astaxanthin or a zeaxanthin.

75. (Previously Presented) The method of claim 68, wherein said polyphenol is curcuma longa root powder, green tea, grape seed extract, or a citrus bioflavonoid.

76. (Previously Presented) The method of claim 68, wherein said polyphenol is a cox-2 inhibitor.

77. (Previously Presented) The method of claim 76, wherein said cox-2 inhibitor is a quercetin, a bilberry extract, a hops PE, blueberry powder or tart cherry powder.

78. (Previously Presented) The method of claim 69, wherein said glutathione precursor is taurine or N-acetyl-L-cysteine.

79. (Previously Presented) The method of claim 70, wherein said vitamin anti-oxidant Vitamin A, Vitamin B, Vitamin C, Vitamin D or Vitamin E.

80. (Previously Presented) The method of claim 68, wherein said composition further comprises a trace mineral.

81. (Previously Presented) The method of claim 68, wherein said composition is administered systemically.

82. (Previously Presented) The method of claim 68, wherein said composition is administered orally.

83. (Previously Presented) The method of claim 68, wherein said composition is administered by directly contacting an ocular tissue.

84. - 106. (canceled)

107. (Previously Presented) The method of claim 68, wherein said method does not comprise beta-carotene.

108. (Currently Amended) The method of claim 68, wherein said composition ~~comprising a carotenoid and a polyphenol~~ comprises:

Vitamin A  
Vitamin C  
Vitamin D  
Vitamin E  
Vitamin K  
Thiamin  
Riboflavin  
Niacin  
Vitamin B6  
Folate  
Vitamin B12  
Pantothenic Acid  
Biotin  
Choline  
Chromium  
Copper  
Iodine  
Magnesium  
Manganese  
Selenium  
Zinc  
Alpha Lipoic Acid  
Green Tea  
Bilberry Extract  
Blueberry Powder  
Ginkgo biloba  
Hops  
Quercetin  
Tocotrienol Complex  
Grape Seed Extract  
Citrus Bioflavonoids  
Taurine

N-Acetyl-L-Cysteine  
Curcuma longa Root Powder  
Zeaxanthin  
Astaxanthin  
Mixed Carotenoids  
Trace Minerals  
Tart Cherry Powder

109. (Currently Amended) The method of claim 68, wherein said composition ~~comprising a carotenoid and a polyphenol~~ comprises:

Vitamin A  
Vitamin C  
Vitamin E  
B6  
Folate  
Zinc  
Alpha Lipoic Acid  
Green Tea  
Astaxanthin  
Ginkgo biloba  
Hops  
Quercetin  
Tocotrienol Complex  
Bilberry Extract  
Blueberry Powder  
Tart Cherry  
Curcuma longa Root Powder  
N-Acetyl-L-Cysteine

110. (Currently Amended) The method of claim 68, wherein said composition ~~comprising a carotenoid and a polyphenol~~ comprises:

Vitamin A (as Vitamin A Palmitate)  
Vitamin A (as Beta Carotene)  
Vitamin C (as Ascorbic Acid)  
Vitamin D (as Cholecalciferol)  
Vitamin E (as d-alpha Tocopheryl Succinate)  
Vitamin E (as Mixed Tocopherols)  
Vitamin K  
Thiamin (as Thiamine Mononitrate)  
Riboflavin  
Niacin (as Niacinamide)  
Vitamin B6 (as Pyridoxine HCl)

Folate (as Folic Acid)  
Vitamin B12 (as Cyanocobalamin)  
Pantothenic Acid (as Calcium Pantothenate)  
Biotin  
Choline (as Choline Bitartrate)  
Chromium (as Chromium nicotinate)  
Copper (as Copper Citrate)  
Iodine (as Potassium Iodine)  
Magnesium (as Magnesium Citrate)  
Manganese (as Manganese Citrate)  
Selenium (as Selenomethionine)  
Zinc (as Zinc Citrate)  
Alpha Lipoic Acid  
Green Tea (40% Polyphenols)  
Bilberry Ext (25% Anthocyanidins)  
Blueberry Powder  
Ginkgo biloba SE 24/6  
Hops PE  
Quercetin  
Tocotrienol Complex  
Grape Seed Extract  
Citrus Bioflavonoids  
Taurine  
N-Acetyl-L-Cysteine  
Curcuma longa Root Powder  
Zeaxanthin  
Astaxanthin  
Mixed Carotenoids  
Trace Minerals (Hydromins)  
Tart Cherry Powder

111. (Currently Amended) The method of claim 68, wherein said composition ~~comprising a carotenoid and a polyphenol~~ comprises:

Vitamin A (as Vitamin A Palmitate)  
Vitamin A (as Beta Carotene)  
Vitamin C (as Ascorbic Acid)  
Vitamin E (as d-alpha Tocopheryl Succinate)  
Vitamin E (as Mixed Tocopherols)  
B6 (as Pyridoxine HCl)  
Folate (as Folic Acid)  
Zinc (as Zinc Citrate)  
Alpha Lipoic Acid  
Green Tea (40% polyphenols)

Astaxanthin  
Ginkgo biloba SE 24/6  
Hops PE  
Quercetin  
Tocotrienol Complex  
Bilberry Ext (25% Anthocyanidins)  
Blueberry Powder  
Tart Cherry  
Curcuma longa Root Powder  
N-Acetyl-L-Cysteine

112. (Currently Amended) The method of claim 68, wherein said composition comprising a carotenoid and a polyphenol is administered in the following dosage:

INGREDIENT	DAILY DOSAGE	
Vitamin A (as Vitamin A Palmitate)	250.00	IU
Vitamin A (as Beta Carotene)	5000.00	IU
Vitamin C (as Ascorbic Acid)	300.00	MG
Vitamin D (as Cholecalciferol)	200.00	IU
Vitamin E (as d-alpha Tocopheryl Succinate)	100.00	IU
Vitamin E (as Mixed Tocopherols)	50.00	IU
Vitamin K	0.06	MG
Thiamin (as Thiamine Mononitrate)	120	MG
Riboflavin	1.30	MG
Niacin (as Niacinamide)	16.00	MG
Vitamin B6 (as Pyridoxine HCl)	3.00	MG
Folate (as Folic Acid)	0.40	MG
Vitamin B12 (as Cyanocobalamin)	0.0024	MG
Pantothenic Acid (as Calcium Pantothenate)	5.00	MG
Biotin	0.03	MG
Choline (as Choline Bitartrate)	275.00	MG
Chromium (as Chromium nicotinate)	0.10	MG
Copper (as Copper Citrate)	2.00	MG
Iodine (as Potassium Iodine)	0.15	MG
Magnesium (as Magnesium Citrate)	100.00	MG
Manganese (as Manganese Citrate)	2.30	MG
Selenium (as Selenomethionine)	0.10	MG
Zinc (as Zinc Citrate)	15.00	MG
Alpha Lipoic Acid	30.00	MG
Green Tea (40% Polyphenols)	200.00	MG
Bilberry Ext (25% Anthocyanidins)	4.00	MG
Blueberry Powder	100.00	MG
Ginkgo biloba SE 24/6	250.00	MG
Hops PE	10.00	MG
Quercetin	50.00	MG

Tocotrienol Complex	50.00	MG
Grape Seed Extract	20.00	MG
Citrus Bioflavonoids	400.00	MG
Taurine	300.00	MG
N-Acetyl-L-Cysteine	200.00	MG
Curcuma longa Root Powder	50.00	MG
Zeaxanthin	1.00	MG
Astaxanthin	1.00	MG
Mixed Carotenoids	50.00	MG
Trace Minerals (Hydromins)	50.00	MG
Tart Cherry Powder	50.00	MG

113. (Currently Amended) The method of claim 68, wherein said composition comprising a carotenoid and a polyphenol is administered in the following dosage:

INGREDIENT	DAILY DOSAGE	
Vitamin A (as Vitamin A Palmitate)	250.00	IU
Vitamin A (as Beta Carotene)	5000.00	IU
Vitamin C (as Ascorbic Acid)	300.00	MG
Vitamin E (as d-alpha Tocopheryl Succinate)	100.00	IU
Vitamin E (as Mixed Tocopherols)	50.00	IU
B6 (as Pyndoxine HCl)	3.00	MG
Folate (as Folic Acid)	0.40	MG
Zinc (as Zinc Citrate)	15.00	MG
Alpha Lipoic Acid	30.00	MG
Green Tea (40% polyphenols)	200.00	MG
Astaxanthin	1.00	MG
Ginkgo biloba SE 24/6	250.00	MG
Hope PE	10.00	MG
Quercetin	50.00	MG
Tocotrienol Complex	50.00	MG
Bilberry Ext (25% Anthocyanidins)	4.00	MG
Blueberry Powder	50.00	MG
Tart Cherry	50.00	MG
Curcuma longa Root Powder	50.00	MG
N-Acetyl-L-Cysteine	200.00	MG